


Amendments to the Claims

Please amend claims 1, 5, 6, 8, 12, 13, 17 and 18. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

- 
1. (currently amended) A message router system for a server system that communicates with embedded devices over a data network, the router system comprising:
 - a router coupled to a message store;
 - the router attempting to transfer messages to the embedded devices on the data network regardless of whether the embedded devices are active on the data network;
 - the router waiting for acknowledgments of the messages from the embedded devices; and
 - the router storing unacknowledged messages addressed to corresponding embedded devices in the message store until the corresponding embedded devices can accept the unacknowledged messages.
 2. (original) A message router system as recited in Claim 1, further comprising a system manager that tracks states of embedded devices on the data network and whether the embedded devices are able to receive messages.
 3. (previously presented) A message router system as recited in Claim 2, further comprising a queue manager for facilitating the transfer of messages between the router and a process, such that the queue manager locates and establishes a connection with the router and transfers the messages from the process to the router.
 4. (previously presented) A message router system as recited in Claim 2, wherein the router retrieves one or more of the unacknowledged messages from the message store when the system manager indicates that an embedded device to which the one or more unacknowledged messages are addressed is able to accept the one or more unacknowledged messages.

- Sub
Cl
5. (currently amended) A message router system as recited in Claim 1, further comprising a bulk data transfer manager for transferring ~~larger data files~~ bulk data between the server system and the embedded devices.
6. (currently amended) A message router system as recited in Claim 5, wherein ~~larger data files~~ the bulk data are transferred to the embedded devices by the router sending the embedded devices a message to download a file and a location of the file, the embedded devices contacting the bulk data transfer manager to obtain the file.
7. (original) A message router system as recited in Claim 6, wherein the embedded devices directly contact the bulk data transfer manager to obtain the file without sending a message via the router.
- B
8. (currently amended) A method for routing messages from a server system to embedded devices over a data network, the method comprising:
attempting to transfer transferring messages to the embedded devices over the data network regardless of whether the embedded devices are active on the data network;
waiting for acknowledgments of the messages from the embedded devices; and
storing unacknowledged messages addressed to corresponding embedded devices until the corresponding embedded devices can accept the unacknowledged messages.
- Sub
Cl
9. (original) A method as recited in Claim 8, further comprising tracking states of embedded devices on the data network and whether the embedded devices are able to receive messages.
10. (original) A method as recited in Claim 9, further comprising queuing messages that are received from a server system prior to being transferred to the embedded devices.
11. (original) A method as recited in Claim 8, further comprising:
detecting whether a previously unavailable embedded device is available to receive messages; and

Sub C1
retrieving stored messages for the embedded device and transferring the messages to the embedded device.

12. (currently amended) A method as recited in Claim 8, further comprising transferring ~~larger data files~~ bulk data from the server system to the embedded devices.
13. (currently amended) A method as recited in Claim 12, wherein the step of transferring the ~~larger data file~~ bulk data comprises:
 - sending the embedded devices a message to download a file and a location of the file; and
 - the embedded devices contacting a bulk data transfer manager to obtain the file.
- B* 14. (original) A method as recited in Claim 13, further comprising the embedded devices directly contacting the bulk data transfer manager to obtain the file.
15. (previously presented) The message router system as recited in Claim 1, wherein the messages are control messages directing the embedded devices to download, install, or activate content.
16. (previously presented) The method as recited in Claim 8, wherein the messages are control messages directing the embedded devices to download, install, or activate content.
17. (currently amended) The message router system as recited in Claim 1, wherein:
 - each of the messages being transferred is associated with a unique identifier;
 - the router determining an address of a ~~corresponding device~~ corresponding embedded device from the unique identifier associated with a message;
 - the router transferring the message to the address of the corresponding embedded device.

18. (currently amended) The method as recited in Claim 8, further comprising:
- associating each of the messages being transferred with a unique identifier;
 - determining an address of a ~~corresponding device~~ corresponding embedded device from the unique identifier associated with a message;
 - transferring the message to the address of the corresponding embedded device.
-